

**DP-310,298**

**SYSTEM AND METHOD FOR SENSING ANGULAR POSITION USING  
RING MAGNET WITH SENSOR IN FLUX RETURN PATH .**

**ABSTRACT OF THE DISCLOSURE**

5 A Hall effect sensor is positioned in the return lines of the magnetic flux  
of a ring magnet that is engaged with a rotating member the angular position of  
which is sought to be measured. The signal from the Hall sensor indicates the  
angular position of the rotating member.